ţ



5

10

- 1. A dispersion management system for soliton or soliton-like transmission systems in which fibres of opposite sign dispersions are concatenated together characterised in that the duration of a dispersion compensation phase is short in comparison with the propagation interval in the remainder of the system and that the path average dispersion is anomalous.
- 2. A dispersion management system for soliton or soliton-like transmission systems according to claim 1 characterised in that the system excludes arrangements in which the dispersion map of one fibre (N) is substantially closed to zero than that of its complementary fibre (A).
- 3. A dispersion management system for soliton or soliton-like transmission systems according to claim 2 characterised in that the difference between fibre dispersions is less than 12.0ps²/km.
- A dispersion management system for soliton or soliton-like transmission systems
 according to claim 2 characterised in that the difference between fibre dispersions is less than 4.0ps²/km.
 - 5. A dispersion management system for soliton or soliton-like transmission systems according to claim 2 characterised in that the difference between fibre dispersions is less than 0.1ps²/km.
- 6. A dispersion management system for soliton or soliton-like transmission systems according to claim 1 characterised in that compensation is provided by discrete dispersion compensator means.

